

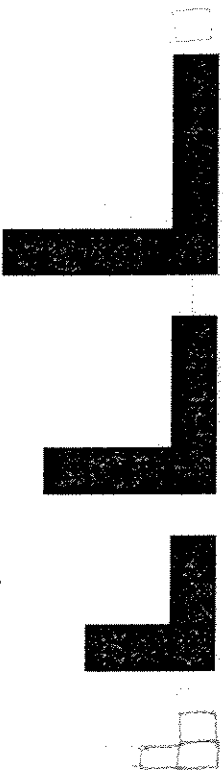
2.3.1: Pattern Practice

Name: Cameron
Date:

For each example below:

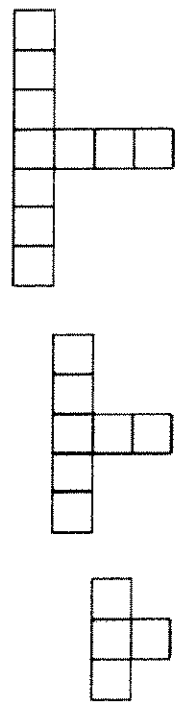
- a) build the first few terms of the pattern
- b) write at least two different ways to describe how to build the 20th term
- c) write at least two different ways to describe how to build the n^{th} term
- d) determine which patterns are generated by adding, subtracting, multiplying, or dividing by a constant to get the next term

1. Use square tiles:



Term Number	Number Tiles/ Picks/Cubes	Description
1	3	Start at 2 and add 1 = $2n+1=3$ tiles
2	5	Start at 4 and add 1 = $4n+1=5$ tiles
3	7	Start at 6 and add 1 = $6n+1=7$ tiles
20	41	Start at 20 and add 21 = $40n+1=41$ tiles
n		

2. Use square tiles:



Term Number	Number Tiles/ Picks/Cubes	Description
1		
2		
3		
20		
n		